

A horizontal beam is shown with a central hinge (labeled 3EF) and two fixed supports (labeled 2E and 2F). The beam is divided into two equal segments by the hinge. The left segment is labeled 5 and the right segment is labeled 4.

Diagram illustrating a network structure with three main nodes (2E, 2G, 2F) arranged in a triangle. The nodes are connected by solid lines forming the triangle's edges. Dashed lines represent additional connections or paths. Labels include 1A, 1B, 1C, 1D (small squares), 2E, 2G, 2F (circles), 3GE, 3FG, 3EF (internal labels), L_{EGF}, L_{EF} (dashed line labels), and 6 (a separate rectangular block).